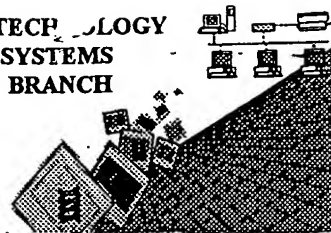


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BIOTECHNOLOGY
SYSTEMS
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0570
0703

RAW SEQUENCE LISTING
ERROR REPORT

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: 10/057,531
Source: OIPB
Date Processed by STIC: 6/26/02

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FOR CRF SUBMISSION QUESTIONS, PLEASE CONTACT MARK SPENCER, 703-308-4212.

FOR SEQUENCE RULES INTERPRETATION, PLEASE CONTACT ROBERT WAX, 703-308-4216.

PATENTIN 2.1 e-mail help: patin21help@uspto.gov or phone 703-306-4119 (R. Wax)

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Applicants submitting genetic sequence information electronically on diskette or CD-Rom should be aware that there is a possibility that the disk/CD-Rom may have been affected by treatment given to all incoming mail.

Please consider using alternate methods of submission for the disk/CD-Rom or replacement disk/CD-Rom.

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1. EFS-Bio (<<http://www.uspto.gov/ebc/efs/downloads/documents.htm>> , EFS Submission User Manual - ePAVE)
2. U.S. Postal Service: U.S. Patent and Trademark Office, Box Sequence, P.O. Box 2327, Arlington, VA 22202
3. Hand Carry directly to:
U.S. Patent and Trademark Office, Technology Center 1600, Reception Area, 7th Floor, Examiner Name, Sequence Information, Crystal Mall One, 1911 South Clark Street, Arlington, VA 22202
Or
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Revised 01/29/2002



Does Not Comply
Corrected Diskette Needed

OIPF

RAW SEQUENCE LISTING

DATE: 06/26/2002

PATENT APPLICATION: US/10/057,531

TIME: 09:43:21

Input Set : A:\Sequence.txt

Output Set: N:\CRF3\06262002\J057531.raw

W--> 3 /12
 9 <110> APPLICANT: Lyon, Jeffrey A.
 10 Angov, Evelina
 12 <120> TITLE OF INVENTION: Isolation and Purification of P. falciparum Merozoite
 Protein-142 Vaccine
 14 <130> FILE REFERENCE: 003/241/SAP
 16 <140> CURRENT APPLICATION NUMBER: US 10/057,531
 C--> 18 <141> CURRENT FILING DATE: 2002-06-14
 20 <150> PRIOR APPLICATION NUMBER: US 60/264,535, US 60/347,564
 W--> 22 <151> PRIOR FILING DATE: 2001-01-26, 2001-10-26
 24 <160> NUMBER OF SEQ ID NOS: 12
 26 <170> SOFTWARE: Apple Macintosh Microsoft Word 6.0

ERRORED SEQUENCES

28 <210> SEQ ID NO: 1
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 33 <223> OTHER INFORMATION: E. coli expressed P. falciparum MSP142 (3D7) Protein Sequence
 in pET-Trx42
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 37 1 5 10
 38 Asp Ser Phe Asp Thr Asp Val Leu Lys Ala
 39 15 20
 40 Asp Gly Ala Ile Leu Val Asp Phe Trp Ala
 41 25 30
 E--> 42 Glu Trp Cys Gly Pro Ccy Lys Met Ile Ala
 43 35 40
 44 Pro Ile Leu Asp Glu Ile Ala Asp Glu Tyr
 45 45 50
 46 Gln Gly Lys Leu Thr Val Ala Lys Leu Asn
 47 55 60
 48 Ile Asp Gln Asn Pro Gly Thr Ala Pro Lys
 49 65 70
 50 Tyr Gly Ile Arg Gly Ile Pro Thr Leu Leu
 51 75 80
 52 Leu Phe Lys Asn Gly Glu Val Ala Ala Thr
 53 85 90
 54 Lys Val Gly Ala Leu Ser lys Gly Gln Leu
 55 95 100

— Inhold amino designator

56 Lys Glu Phe Leu Asp Ala Asn Leu Ala Gly

RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/057,531

DATE: 06/26/2002

TIME: 09:43:21

Input Set : A:\Sequence.txt

Output Set: N:\CRF3\06262002\J057531.raw

57		105		110
58	Ser Gly Ser Gly His Met His His His His			
59		115		120
60	His His Ser Ser Gly Leu Val Pro Arg Gly			
61		125		130
62	Ser Gly Met Lys Glu Thr Ala Ala Ala Lys			
63		135		140
64	Phe Glu Arg Gln His Met Asp Ser Pro Asp			
65		145		150
66	Leu Gly Thr Asp Asp Asp Asp Lys Ala Met			
67		155		160
68	Ala Asp Ile Gly Ser Ile Glu Gly Arg Gly			
69		165		170
70	Thr Met Ala Ile Ser Val Thr Met Asp Asn			
71		175		180
72	Ile Leu Ser Gly Phe Glu Asn Glu Tyr Asp			
73		185		190
74	Val Ile Tyr Leu Lys Pro Leu Ala Gly Val			
75		195		200
76	Tyr Arg Ser Leu Lys Lys Gln Ile Glu Lys			
77		205		210
78	Asn Ile Phe Thr Phe Asn Leu Asn Leu Asn			
79		215		220
80	Asp Ile Leu Asn Ser Arg Leu Lys Lys Arg			
81		225		230
82	Lys Tyr Phe Leu Asp Val Leu Glu Ser Asp			
83		235		240
84	Leu Met Gln Phe Lys His Ile Ser Ser Asn			
85		245		250
86	Glu Tyr Ile Ile Glu Asp Ser Phe Lys Leu			
87		255		260
88	Leu Asn Ser Glu Gln Lys Asn Thr Leu Leu			
89		265		270
90	Lys Ser Tyr Lys Tyr Ile Lys Glu Ser Val			
91		275		280
92	Glu Asn Asp Ile Lys Phe Ala Gln Glu Gly			
93		285		290
94	Ile Ser Tyr Tyr Glu Lys Val Leu Ala Lys			
95		295		300
96	Tyr Lys Asp Asp Leu Glu Ser Ile Lys Lys			
97		305		310
98	Val Ile Lys Glu Glu Lys Glu Lys Phe Pro			
99		315		320
100	Ser Ser Pro Pro Thr Thr Pro Pro Ser Pro			
101		325		330
102	Ala Lys Thr Asp Glu Gln Lys Lys Glu Ser			
103		335		340
104	Lys Phe Leu Pro Phe Leu Thr Asn Ile Glu			
105		345		350

RAW SEQUENCE LISTING

DATE: 06/26/2002

PATENT APPLICATION: US/10/057,531

TIME: 09:43:21

Input Set : A:\Sequence.txt

Output Set: N:\CRF3\06262002\J057531.raw

106	Thr	Leu	Tyr	Asn	Asn	Leu	Val	Asn	Lys	Ile	
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108	Asp	Asp	Tyr	Leu	Ile	Asn	Leu	Lys	Ala	Lys	
109					365					370	
110	Ile	Asn	Asp	Cys	Asn	Val	Glu	Lys	Asp	Glu	
111					375					380	
112	Ala	His	Val	Lys	Ile	Thr	Lys	Leu	Ser	Asp	
113					385					390	
114	Leu	Lys	Ala	Ile	Asp	Asp	Lys	Ile	Asp	Leu	
115					395					400	
116	Phe	Lys	Asn	Pro	Tyr	Asp	Phe	Glu	Ala	Ile	
117					405					410	
118	Lys	Lys	Leu	Ile	Asn	Asp	Asp	Thr	Lys	Lys	
119					415					420	
120	Asp	Met	Leu	Gly	Lys	Leu	Leu	Ser	Thr	Gly	
121					425					430	
122	Leu	Val	Gln	Asn	Phe	Pro	Asn	Thr	Ile	Ile	
123					435					440	
124	Ser	Lys	Leu	Ile	Glu	Gly	Lys	Phe	Gln	Asp	
125					445					450	
126	Met	Leu	Asn	Ile	Ser	Gln	His	Gln	Cys	Val	
127					455					460	
128	Lys	Lys	Gln	Cys	Pro	Glu	Asn	Ser	Gly	Cys	
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130	Phe	Arg	His	Leu	Asp	Glu	Arg	Glu	Glu	Cys	
131					475					480	
132	Lys	Cys	Leu	Leu	Asn	Tyr	Lys	Gln	Glu	Gly	
133					485					490	
134	Asp	Lys	Cys	Val	Glu	Asn	Pro	Asn	Pro	Thr	
135					495					500	
136	Cys	Asn	Glu	Asn	Asn	Gly	Gly	Cys	Asp	Ala	
137					505					510	
138	Asp	Ala	Thr	Cys	Thr	Glu	Glu	Asp	Ser	Gly	
139					515					520	
140	Ser	Ser	Arg	Lys	Lys	Ile	Thr	Cys	Glu	Cys	
141					525					530	
142	Thr	Lys	Pro	Asp	Ser	Tyr	Pro	Leu	Phe	Asp	
143					535					540	
144	Gly	Ile	Phe	Cys	Ser	Ser					
145					545						

VERIFICATION SUMMARY

PATENT APPLICATION: US/10/057,531

DATE: 06/26/2002

TIME: 09:43:22

Input Set : A:\Sequence.txt

Output Set: N:\CRF3\06262002\J057531.raw

L:3 M:259 W: Allowed number of lines exceeded, (1) GENERAL INFORMATION:
L:18 M:271 C: Current Filing Date differs, Replaced Current Filing Date
L:22 M:256 W: Invalid Numeric Header Field, Wrong Prior FILING DATE:YYYY-MM-DD
L:32 M:283 W: Missing Blank Line separator, <220> field identifier
L:34 M:283 W: Missing Blank Line separator, <400> field identifier
L:42 M:330 E: (2) Invalid Amino Acid Designator, NUMBER OF INVALID KEYS:1
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